POSTENTRY QUARANTINE

Joint Program with
Hawaii Department of Agriculture Plant Quarantine
WHAT IS POSTENTRY?

- Government program to help stakeholders import clean mother stock plants from foreign countries.
- Program covers many types of fruit trees and some flowering plants.
- Designated Postentry Quarantine site is on applicant’s property.
- A postentry permit is needed before importing plants.
Joint Process – HDOA & USDA

- Interview & Presentation with HDOA-PQB and USDA-APHIS-PPQ Hawaii – commodity risk
- Check list for greenhouse and site development
- Review of greenhouse and site
- Approval of PPQ 546 (postentry permit)
- Issuance of PPQ 546
- Applicant – can import specified type and amount of plants only for duration of permit
Plant Pest of Concern

Diseases – Latent Infection
- Fungi
- Viruses
- Bacteria

Nematodes

Insects - Immature
Commodity Risk for Permitted Plants

Many Unknown Plant Diseases

- *Annona* sp. – 55 fungi, 3 nematodes
- *Artocarpus* sp. 10 fungi, 3 & 1 new pest nematode
- *Mangifera indica* – 45 fungi
- *Nephelium* sp. – 20 fungi & 1 fungi of concern, 2 nematodes
Shipment Inspections – Pest Found

**USDA Inspection – on arrival**
- Insects – possible treatment / destruction
- Diseases – destruction / possible treatment
  - Fungi, Nematode, Bacteria, Viruses

**HDOA Inspection – on arrival**
- Visually clean plant material sent to PE site for further monitoring

**Field Inspection**
- *Hoplolaimus seinhorsti* – Not known to occur in U.S.
- *Neofusicoccum* sp. – India research
  - Broad host range – *Acacia* sp., *Persea americana*, *Protea cynaroides*, *Vaccinium* sp.
- Other examples
Definitions

**Greenhouse** – structure with a glass or plastic roof and frequently glass or plastic walls. Roof and sides have to allow light to penetrate. Greenhouse can also protect plants from wind, rain, and animals. Greenhouses are Great !!!

**Shade house** – Only protect cultivated plants from excessive heat, light or dryness. Structure may not protect plants from rain, wind, or animals. (opposite of greenhouse)

Source: C-Mac Industries, Australia
Improvements / Investment Needed

Greenhouses are GREAT

Impervious roof – control rainfall
Mesh – prevent insect vectors

Door - control insect movement

Impervious floor – control / treat water runoff

Keep area weed free
alternate host for viruses,
reduce insect presence
Raised benches – for catch pans to contain and treat water runoff
Protect Grower, Trade, and Environment

- Signage = “No Trespassing” / “Authorized Personnel Only”
- Fencing – prevent theft
- Potting in soilless media - no field planting
- Keep 10 foot area surrounding the greenhouse weed free
- Don’t mix with domestic plants
- Keeping the greenhouse door close
- Contingency Plan – flood, hurricane, lava
- Etc. – depending on potential postentry site
All plants listed must be grown in an enclosed greenhouse with screen (16 mesh per inch minimum) covering all openings.

<table>
<thead>
<tr>
<th>1. Name and Address of Applicant</th>
<th>2. Quantity</th>
<th>3. Country of Origin</th>
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Telephone No.

ADHOC: Location of Material Will Be Growing (Indicate Country, Please be Specific). Show exact address of property, or if within a city, location of property in relation to local and/or state landmarks. Do NOT use post-office box numbers.

NOTICE

As a condition of importing nursery stock governed by postentry quarantine provisions of the Nursery Stock Plants regulation (7 CFR 319.27-1), the following requirements must be met:

a. All plant material will be grown on premises supervised and controlled by a person, located at specified in the Grower/Location section, and all will be recorded and distributed in accordance with the appropriate State or Territory Office and the Coordinator, Postquarantine Program, Riverdale, MD.

b. Potted plants, either Federal or State level, will be grown in the planting locations subject to regular business hours.

c. No transfer of these plants by cutting, grafting, budding, rootstock, or leaves, or both, will be made in the absence of the plants unless the plants are secured from postentry quarantine, or written permission of the facility for such transfer.

d. All plant material will be maintained at a distance of 1.5 meters from the premises, including potted stock, on adjacent premises, and 5 meters from the planting location.

e. The plant material will be removed from the premises at any time by the State or Federal office, or by the owner or operator of the premises.

f. Any movements permanently by the owner or operator of the premises to postentry quarantine on other premises will be removed as required by the appropriate State or Federal office.

The person or office may be notified of the movement to the appropriate State or Federal office and the Coordinator, Postquarantine Program, Riverdale, MD.

1. as the responsible agent, have read this agreement and agree to the above conditions, and understand that violation of this agreement will result in the cancellation of my permit.

2. Signature of Applicant

3. DATE SIGNED

4. Approved

5. Disapproved

6. Not Reviewed

7. Signature of State Official

8. DATE SIGNED

PREVIOUS EDITION

UNITED STATES DEPARTMENT OF AGRICULTURE
Animal and Plant Health Inspection Service
Plant Protection and Quarantine

FORM 545 (Rev. 9/99)
As a condition of importing nursery stock governed by postentry quarantine provisions of the Nursery Stock Plants regulation (7 CFR 319.37-7), the following requirements must be met.

a. All plant material will be grown on premises supervised and controlled by me, located as specified in the Growing Locations section, and will not be moved or distributed without prior written permission of the appropriate State or Territory Official and the Coordinator, Postentry Quarantine Program, Riverdale, MD.

b. Properly identified officers, either Federal and/or State, will be given access to the premises listed in the Growing Locations section during regular business hours.

c. No increase of these plants by cutting, grafting, suckers, flowers, seeds, or air layers will be made; there will be no distribution of the plants or increase; and no cutting of flowers for sale will be made until the plants are released from postentry quarantine, or written permission of the (as in the first condition above).

d. The plant material and all increase there from will be labeled by specific plant name, port accession number, and date of importation.

e. The plant material will be separated from domestic stock of the same genus including such stock on adjoining premises, by no less than 3 meters (approximately 10 feet); and will be separated from other imported plants by the same distance.

f. Any treatments prescribed by the officer including destruction of the quarantined plant material or other plants growing on the premises will be complied with to prevent the dissemination of a plant pest.

g. The appropriate State or Territory Official will be notified in writing within 30 days when any abnormality is noticed in the plant material or if the plant material dies. Dead plants will be retained and collected by the officer for analysis.

h. Notification of change of address will be sent to the appropriate State or Territory Official and the Coordinator, Postentry Quarantine Program, Riverdale, MD.

i. Plants of Rubus spp. from Europe will be grown in a screenhouse (16 mesh per inch minimum); plants of Chrysanthemum spp., Dendranthema spp., Leucanthemata serotina, Nipponanthemum nipponicum, Dianthus spp., and Hydrangea spp. will be grown in a greenhouse or other enclosed building.

j. The postentry requirements will be applied to Chrysanthemum spp. for 6 months after importation, to Dianthus spp. for 1 year after importation, to Hydrangea spp. for 9 months after importation, to Humulus spp. (hops), a meristem culture of the imported plant will be observed for 6 months, and the original plant will be destroyed after the meristem culture is established. After the 6-month observation, the meristem culture-generated plant must remain in postentry quarantine for an additional 2 years after importation.

I, as the responsible agent, have read this agreement and agree to the above conditions, and understand that violation of this agreement will result in the cancellation of my postentry permit.

6. SIGNATURE OF APPLICANT

7. DATE SIGNED

SECTION B – TO BE COMPLETED BY STATE OFFICIAL

8. SITE

☐ APPROVED

☐ DISAPPROVED (If Disapproved State Reason Below)

☐ NOT ScreenED

CRITICAL – APPLICANT LIABLE

IMPORTANT

APPLICATION IS RESPONSIBLE TO PAY
Postentry – Production Investment

- Isolation greenhouse
- Propagation greenhouse - (WHEN NOT IN POSTENTRY USE)
- Export – domestic / foreign (WHEN NOT IN POSTENTRY USE)
- Tax write off ?
POSTENTRY CONTACTS

Lance Sakaino
HDOA – PQB
Acting Plant Specialist
Office Phone: (808) 832-0574

Matthew Goo
USDA-APHIS-PPQ
Plant Pathologist / Postentry Liaison Officer
Office Phone: (808) 834-3240
Postentry Field Form

Released when signed by HDOA & USDA

Do not sell plants until PPQ Form 569 is in your possession
Do not sell plants until PPQ Form 569 is in your possession
Commodity Risk for *Anacardium* sp.

- **Fungi** – 180 known species
- **Nematode** – 13 known species (*Xiphinema* sp., *Criconemella* sp., *Scutellonema* sp., *Rotylenchus* sp., *Trophorus* sp., *Meloidogyne incognita* – galling)
- **Bacteria** – Unknown (*Xanthomonas* sp.)
- **Viruses** - Unknown